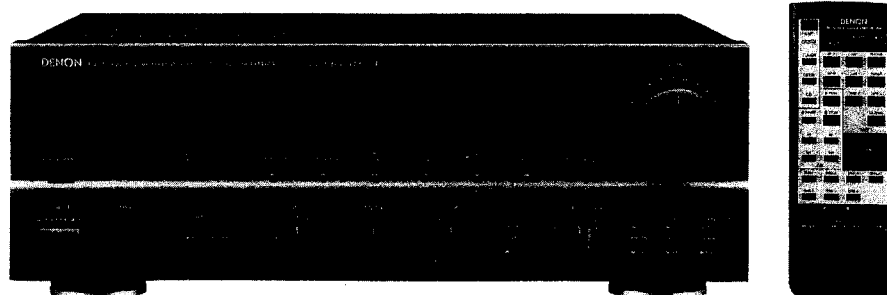


DENON

Hi-Fi Integrated Stereo Amplifier

MODEL PMA-880R

INTEGRATED STEREO AMPLIFIER



NIPPON COLUMBIA CO., LTD.



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

• FOR U.S.A. & CANADA MODEL ONLY

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

• POUR LE MODELE CANADIEN UNIQUEMENT

ATTENTION

POUR PREVENIR LES CHOCs ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

• NUR FÜR EUROPÄISCHE MODELLE

Konformitätserklärung

Die DENON Electronic GmbH
Hatskestraße 32
4030 Ratingen 1

Erklärt als Hersteller/Importeur, daß das in dieser Bedienungsanleitung beschriebene Gerät den Technischen Vorschriften für Ton- und Fernseh-Rundfunkempfänger nach der Amtsblattverfügung 868/1989 (Amtsblatt des Bundesministers für Post und Telekommunikation vom 31. 8. 1989) entspricht.

• FOR UNITED KINGDOM MODEL ONLY

CONNECTING THE MAINS PLUG:

This unit operates from a 240V ac 50 Hz mains supply.

Fit a proper mains plug to the mains lead of this equipment. If a 13 amp (BS1363) plug is used, a 5 amp fuse must be fitted. The 13 amp fuse supplied in a new plug must NOT be used. If any other type of plug is used, a 5 amp fuse must be fitted either in the plug or adaptor or at the distribution board.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured black.

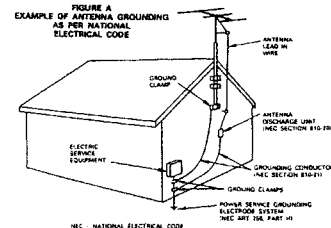
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured red.

DO NOT MAKE ANY CONNECTION TO THE LARGER PIN MARKED WITH THE LETTER E OR BY THE SYMBOL $\perp$ OR COLOURED GREEN OR GREEN-AND-YELLOW.

Disconnect the mains plug from the supply socket when not in use.

SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Water and Moisture – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization – Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.
12. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
14. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
15. Power Lines – An outdoor antenna should be located away from power lines.
16. Outdoor Antenna Grounding – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
17. Nonuse Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
18. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
20. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



NOTE:

1. Always keep the POWER switch on the main unit turned on.
2. Turn the power on and off from the remote control unit.
3. Unplug the power cord when you do not plan to use the unit for a long period of time.

CAUTION:

If only the MUTE/STANDBY LED is lit, this means that the power is turned off from the remote control unit. Turn the power on from the remote control unit.

HINWEIS:

1. Lassen Sie den Netzschalter (POWER) am Hauptgerät stets eingeschaltet.
2. Schalten Sie den Strom mit dem Fernbedienungsgerät ein-und aus.
3. Trennen Sie das Netzkabel vom Netz ab, wenn Sie beabsichtigen, das Gerät über einen längeren Zeitraum hinweg nicht zu benutzen.

VORSICHT:

Wenn nur das Stummschalt-/Bereitschafts-LED (MUTE/STANDBY) leuchtet, so bedeutet dies, daß der Strom vom Fernbedienungsgerät aus ausgeschaltet worden ist. Schalten Sie den Strom vom Fernbedienungsgerät aus ein.

REMARQUE:

1. S'assurer que le commutateur d'alimentation (POWER) sur l'unité principale soit toujours dans la position activée.
2. Allumer et éteindre l'appareil avec la télécommande.
3. Débrancher le cordon d'alimentation lorsque l'appareil ne sera pas utilisé pendant une longue période.

ATTENTION:

Si seul le témoin (LED) de sourdine/veille (MUTE/STANDBY) est allumé, cela signifie que l'appareil est mis hors circuit par la télécommande. Allumer l'appareil avec la télécommande.

NOTA:

1. Tenete sempre l'interruttore della corrente (POWER) dell'unità principale nella posizione di attivazione.
2. Accendete e spegnete la corrente usando il telecomando.
3. Scollegate il filo di alimentazione quando avete intenzione di non usare l'apparecchio per un lungo periodo.

AVVISO:

Se sono illuminati solo i LED di attenuazione/attesa (MUTE/STANDBY), questo significa che la corrente è stata spenta con il telecomando. Riaccendete la corrente usando il telecomando.

PRECAUTIONS FOR INSTALLATION

Leave at least 10cm of space between this unit and any other component placed above.

SICHERHEITSMASSNAHMEN BEIM EINBAU

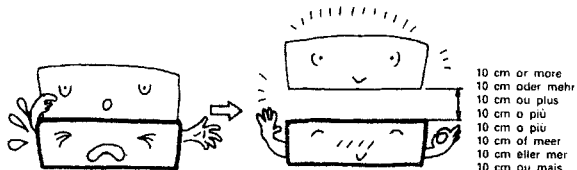
Lesen einen Mindestabstand von 10 cm zwischen diesem Gerät und anderen Komponenten, die daraufgestellt wird.

PRECAUTIONS D'INSTALLATION

Prevoir un espace d'au moins 10cm entre l'unité et tout autre appareil se trouvant au-dessus.

PRECAUZIONI PER L'INSTALLAZIONE

Lasciate uno spazio libero di almeno 10 cm fra quest'unità e qualsiasi altro componente che è collocato sopra la stessa.



NOTA:

1. Mantenga siempre activado el interruptor de alimentación (POWER) en la unidad principal.
2. Encienda y apague el equipo desde la unidad de control remoto.
3. Cuando la unidad vaya a estar fuera de uso por un periodo prolongado de tiempo, desconecte el cable de alimentación.

PRECAUCION:

Cuando sólo el indicador LED de silenciamiento/modo de espera (MUTE/STANDBY) está encendido, significará que la alimentación a la unidad ha sido desconectada desde la unidad de control remoto. Conecte la alimentación desde la unidad de control remoto.

OPMERKING:

1. Zorg er altijd voor dat de stroomschakelaar (POWER) van het hoofdstel in de ingeschakelde stand staat.
2. Schakel de stroom in en uit m.b.v. de afstandsbediening.
3. Trek het netsnoer uit wanneer u denkt het toestel gedurende een lange periode niet te gebruiken.

WAARSCHUWING:

Indien enkel de dempings-(MUTE)/STANDBY LED brandt, betekent dit dat de spanning met de afstandsbediening is uitgeschakeld. Schakel de spanning in met de afstandsbediening.

OBSERVA:

1. Låt alltid strömbrytaren (POWER) på huvudenheten vara påslagen.
2. Slå till/från strömmen med hjälp av fjärrkontrollen.
3. Koppla loss nätkabeln om apparaten inte skall användas under lång tid.

OBSERVA:

Om endast MUTE/STANDBY-lampen lyser betyder det att strömmen har stängts av via fjärrkontrollen. Strömmen måste då slås på via fjärrkontrollen igen.

NOTA:

1. Mantenha o interruptor da Corrente (POWER) na unidade principal sempre ligada.
2. Ligue e desligue a corrente a partir da unidade de controle remoto.
3. Desconecte o fio de força quando intente não utilizar a unidade por longo tempo.

PRECAUÇÃO:

Se apenas se iluminar o LED de surdina/espera (MUTE/STANDBY), isto significa que a força se desligou a partir do controle remoto. Ligue a força a partir do controle remoto.

PRECAUCIONES PARA LA INSTALACION

Deje por lo menos 10 cm. de espacio entre esta unidad y cualquier otro componente situado sobre ella.

VOORZORGSMAATREGELEN

Bij plaatsing dient u een ruimte van minstens 10 cm open te laten tussen dit toestel en een ander erop geplaatst component.

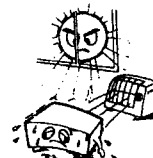
FÖRSIKTIGHETSÅTGÄRDER VID INSTALLATIONEN

Se till att det finns minst 10 cm mellanrum mellan apparaten och en annan apparat som ställs ovanpå.

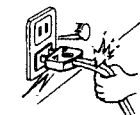
CUIDADOS NA INSTALAÇÃO

Deixe um espaço de pelo menos 10 cm entre esta unidade e qualquer outro componente colocado acima.

NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO/NOTAS SOBRE EL USO/ALVORENS TE GEBRUIKEN/OBSERVERA OBSERVAÇÕES QUANTO AO USO



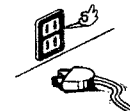
- Avoid high temperatures
Allow for sufficient heat dispersion when installed on a rack.
- Vermijden Sie hohe Temperaturen
Besuchen Sie, daß eine ausreichende Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Evitar des températures élevées
Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evitate di esporre l'unità a temperature alte
Assicuratevi che ci sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- Evite altas temperaturas
Permite la suficiente dispersión del calor cuando está instalado en la consola.
- Verijdig hoge temperaturen
Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst.
- Undvik höga temperaturer
Se till att det finns möjlighet till god värmeavledning vid monteringen i ett rack.
- Evite temperaturas altas
Conceda suficiente dispersão de calor quando o equipamento for instalado numa prateleira.



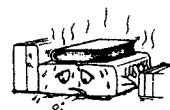
- Handle the power cord carefully.
Hold the plug when unplugging the cord.
- Gehen Sie vorsichtig mit dem Netzkabel um.
Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.
- Manipuler le cordon d'alimentation avec précaution.
Tenir la prise lors du débranchement du cordon.
- Maneggiare il filo di alimentazione con cura.
Agitare per la spina quando scollegate il cavo dalla presa.
- Maneje el cordón de energía con cuidado.
Sostenga el enchufe cuando desconecte el cordón de energía.
- Hanteret het netsnoer voorzichtig.
Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld.
- Hantera nätkabeln varsamt.
Håll i kabeln när den kopplas från eluttaget.
- Manuseie com cuidado o fio condutor de energia.
Segure a tomada ao desconectar o fio.



- Keep the set free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Protéger l'appareil contre l'humidité, l'eau et la poussière.
- Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Utsett inte apparaten för fukt, vatten och damm.
- Mantenha o aparelho livre de qualquer umidade, água ou poeira.



- Unplug the power cord when not using the set for long periods of time.
- Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.
- Neem altijd het netsnoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- Koppla ur nätkabeln om apparaten inte kommer att användas i lång tid.
- Desligue o fio condutor de força quando o aparelho não tiver que ser usado por um longo período.



(For sets with ventilation holes)

- Do not obstruct the ventilation holes.
Die Belüftungöffnungen dürfen nicht verdeckt werden.
- Ne pas obstruer les trous d'aération.
Non coprire i fori di ventilazione.
- No obstruya los orificios de ventilación.
De ventilatieopeningen mogen niet worden beblokeerd.
- Tapp inte till ventilationsöppningarna.
- Não obstrua os orifícios de ventilação.



- Do not let foreign objects in the set.
- Keine fremden Gegenstände in das Gerät kommen lassen.
- Ne pas laisser des objets étrangers dans l'appareil.
- E' importante che nessun oggetto è inserito all'interno dell'unità.
- No deje objetos extraños dentro del equipo.
- Laat geen vreemde voorwerpen in dit apparaat vallen.
- Se till att främmande föremål inte tränger in i apparaten.
- Não deixe objetos estranhos no aparelho.

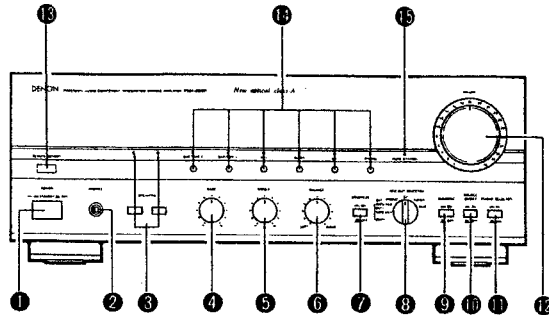


- Do not let insecticides, benzene, and thinner come in contact with the set.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Assicuratevi che l'unità non venga in contatto con insetticidi, benzolo o solventi.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
- Laat geen insectenverdelgende middelen, benzine of verververdunder met dit apparaat in contact komen.
- Se till att inte insektsmedel på spraybruk, bensin och thinner kommer i kontakt med apparatens hölje.
- Não permita que inseticidas, benzina e dissolvente entrem em contato com o aparelho.

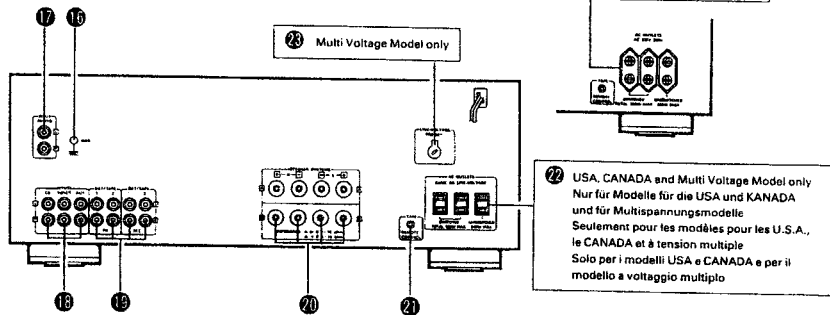


- Never disassemble or modify the set in any way.
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Non smontate mai, né modificate l'unità in nessun modo.
- Nunca desarme o modifique el equipo de ninguna manera.
- Nooit dit apparaat demonteren of op andere wijze modifieren.
- Ta inte isär apparaten och försök inte bygga om den.
- Nunca desmonte ou modifique o aparelho de alguma forma.

FRONT PANEL
FRONTPLATTE
PANNEAU AVANT
PANNELLO ANTERIORE



REAR PANEL
RÜCKWAND
PANNEAU ARRIERE
PANNELLO POSTERIORE



- 25 LINE VOLTAGE (Voltage select switch) . . . For Multi-voltage model only.**
- * The desired voltage may be set with the VOLTAGE SELECTOR KNOB on the back panel using a screw driver.
 - * Do not twist the VOLTAGE SELECTOR KNOB with excessive force. It may be damaged.
 - * If the voltage select switch does not turn smoothly, see qualified serviceman.

12 GND	11 PHONO	10 CD, TUNER, AUX	9 DAT/TAPE-1, DAT/TAPE-2 • TAPE PB • TAPE REC	8 SPEAKERS	7 TAPE/REMOTE CONTROL
GND	Phono Input Terminals (Phono)	Input Terminals (CD, TUNER, AUX)	Playback and Recording Terminals • Playback Terminals • Recording Terminals	Speaker Terminals	Tape deck Remote control jack
GND	Schallplatten-Spieler-Eingangsbuchsen (Phono)	Eingangsbuchsen (CD, TUNER, AUX)	Tonband-Ein/Ausgänge • Wiedergabe • Aufnahme	Lautsprecherklemmen	Tapedeck-Fernbedienungs-Buchse
GND	Bornes d'entrée (Phono)	Bornes d'entrée (CD, TUNER, AUX)	Bornes de lecture et d'enregistrement • Bornes de lecture • Bornes d'enregistrement	Bornes de haut-parleurs	Prise de télécommande de magnétocassette
GND	Terminali di ingresso Phono	Terminali di ingresso (CD, TUNER, AUX)	Terminali di riproduzione registrazione • Terminali di riproduzione • Terminali di registrazione	Terminali degli altoparlanti	Pressa di controllo a distanza della pialla

Fig. 1
Abb. 1

CONNECTIONS
ANSCHLÜSSE
CONNEXIONS
CONNESSIONI

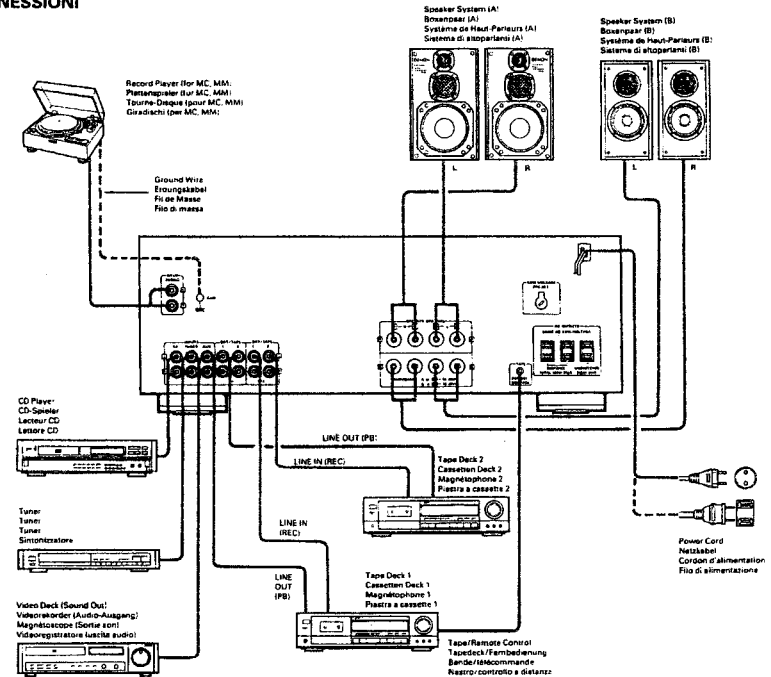


Fig. 2
Abb. 2

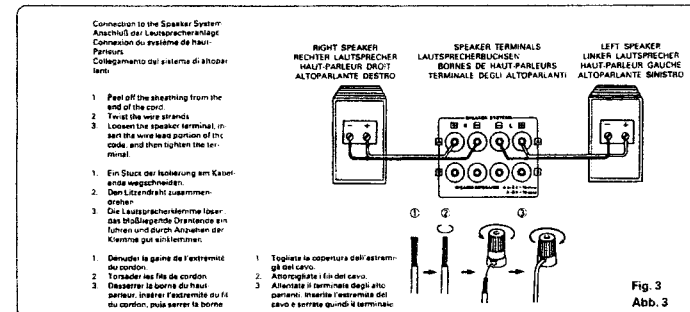


Fig. 3
Abb. 3

DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS

1 POWER (Power Switch)

When the power switch is turned ON (), the MUTE/STANDBY LED () lights.
When the power switch is turned ON, power is supplied to the unit. It takes a few seconds after the power is turned on for the unit to warm up. This is due to the built-in muting circuit that eliminates noise during the on/off operation.

2 PHONES (Headphone Jack)

This jack is used to plug in the headphones.

3 SPEAKERS (Speaker Selection Switch)

The PMA-880R can be connected to two speaker systems: speaker system A and speaker system B.
When A is pressed, its LED lights and the speaker system connected to speaker output terminals A operates. When A is pressed again, its LED goes out and the speaker system A can not operate.
When B is pressed, its LED lights and the speaker system connected to speaker output terminals B operates. When B is pressed again, its LED goes out and the speaker system B can not operate.

4 BASS (Bass Control)

This knob is used to control the bass quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range below 1000 Hz. The bass is emphasized as the knob is moved off center to the right (), and reduced as it is moved to the left (). When volume control () is set to the right of the center position, the effect of the other controls is reduced.

5 TREBLE (Treble Control)

This knob is used to control the treble quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range above 1000 Hz. The treble is emphasized as the knob is moved off center to the right (), and reduced as it is moved to the left (). When volume control () is set to the right of the center position, the effect of the other controls is reduced.

6 BALANCE (Balance Control)

This knob is used to adjust the balance between the left and right channels. When it is set to the center position, the amplitude of the amplifier is equal on both sides. If there is a difference in the left and right channel output voltages for a cartridge, move the knob to the left and the right to adjust it. If the volume on the right side is too low, turn the knob to the right (). If the volume on the left side is too low, turn the knob to the left (). This will achieve an even balance on the left and right sides.

7 LOUDNESS (Loudness Switch)

When the volume is low, it is difficult for the human ear to clearly distinguish notes in the low and high frequency ranges. The loudness switch allows a simple "one-touch" correction of this difficulty. Press the loudness switch ON () when listening to music at a low volume. The low notes and high notes will be corrected to produce a natural sound.

8 REC OUT SELECTOR (Rec Out Select Switch)

Use this switch to select the recording component.

- PHONO: Used to recording from the turntable.
- CD: Used to recording from the CD player.
- TUNER: Used to recording from the tuner.

- AUX: Used to recording component that connected to the AUX terminal.
- DAT/TAPE-1 ▶ 2: Used to recording from the tape deck connected to the DAT/TAPE-1 jacks.
- DAT/TAPE-2 ▶ 1: Used to recording from the tape deck connected to the DAT/TAPE-2 jacks.

9 SUBSONIC (Subsonic Filter Switch)

Use to prevent subsonic speaker vibration due to vibration of the player motor or a warped record, etc., when playing a connected player.

10 SOURCE DIRECT (Source Direct Switch)

Set this switch to ON will cause the input signal to by-pass the LOUDNESS (), SUBSONIC (), BASS (), TREBLE (), BALANCE () circuits (regardless of the settings of these controls) and be input directly to the VOLUME () control to prevent loss of sound quality.

11 PHONO SELECTOR (Cartridge Selection Switch)

This switch is set according to the type of player cartridge to be used.

- MC (): Used when an MC (moving-coil) cartridge with an output of less than 0.5 mV is used.
- MM (): Used when an MM (moving-magnet) cartridge with an output of 2 mV or more is used.

12 VOLUME (Volume Control)

This knob controls the overall volume level. Turn the knob to the right () to raise the volume and to the left () to lower it.

13 REMOTE SENSOR (Remote Control Sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit.
For remote control, point the wireless remote control unit towards the sensor.

14 INPUT SELECTOR (Input Select Switch)

Use these to select the program source.

When the button for the desired program source is selected, its LED lights. One program source only can be selected at a time, as follows:

- PHONO: Use this position when using the record player connected to the PHONO jacks. Use the PHONO SELECTOR () to switch the sensitivity to correspond to the cartridge type being used.
- CD: Used to listen a compact disc player or other component that is connected to the CD terminal.
- TUNER: Used to play a component such as an FM/AM tuner or a TV tuner that is connected to the TUNER terminal.
- AUX: Used to play a component such as a Hi Fi video player, TV tuner, 8-track tape player or tape deck that is connected to the AUX terminal.
- DAT/TAPE-1: Use this Position when using the tape deck, etc., connected to the DAT/TAPE-1 jacks.
- DAT/TAPE-2: Use this Position when using the tape deck, etc., connected to the DAT/TAPE-2 jacks.

15 MUTE/STANDBY LED

This LED flashes while the muting circuit is activated when the power is turned on and when muting is turned on from the remote control unit, and remains lit (without flashing) while the power is on.

21 TAPE/REMOTE CONTROL (Tape Deck Remote Control Jack): Rear Panel Side

Remote control of a connected DENON cassette deck is enabled by connecting the tape deck remote control lead to this jack. The jack is a mini-jack designed to accept a 3.5 mm plug.

NOTE: Do not connect headphones or a microphone to this jack. Use this jack only to connect a DENON cassette deck with a remote control jack (wired).

22 AC OUTLETS: Rear Panel Side

- For U.S.A., Canada and Multi-voltage models.
AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.

- SWITCHED (Total capacity: 120 W):
These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off.

- UNSWITCHED (Capacity: 240 W)
This outlet is always ON whether power switch is on or OFF.

- For Europe model, except the U.K. and Australia models.
AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.

- SWITCHED (Total capacity: 100 W):
These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off.

- UNSWITCHED (Capacity: 100 W)
This outlet is always ON whether power switch is on or OFF.

OPERATION

PREPARATION

1. CHECKING CONNECTIONS

- Make sure that all the connections are proper by referring to the back panel. (Fig. 1, 2, 3)
- Check the polarity (positive and negative) of connections, and the directivity of stereo separation (right cord to right channel terminal, and left cord to left channel terminal).
- Check the directivity of pin cord connection.

2. SETTING OF EACH KNOB

- Turn the volume control knob counterclockwise, to "0".
- Set the rotary knob to "flat".
- Set LOUDNESS, SUBSONIC and SOURCE DIRECT to "OFF" ().

After checking the above items, turn on the power.

PLAYING A RECORD

1. Set the INPUT SELECTOR switch to "PHONO".
2. Operate the turntable and play the record.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

PLAYBACK OF CD PLAYER

1. Set the INPUT SELECTOR switch to "CD".
2. Operate the CD player.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

RECEPTION OF RADIO PROGRAMS

1. Set the INPUT SELECTOR switch to "TUNER".
2. Operate the tuner to receive a radio program.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

CONNECTIONS OF AUDIO EQUIPMENT TO AUX TERMINALS

1. Set the INPUT SELECTOR switch to "AUX" Position.
2. Operate the Audio equipment Systems.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

PLAYBACK WITH TAPE DECK

1. Set the INPUT SELECTOR switch to "DAT/TAPE-1" or "DAT/TAPE-2".
2. Operate the Tape Deck.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

RECORDING WITH TAPE DECK

1. Set the REC OUT SELECTOR to the program source you wish to record.
2. Start the playback of the program source.
3. Start recording with the component connected to "DAT/TAPE-1" or "DAT/TAPE-2".
- In the PMA-880R, the REC OUT signal and the speaker or headphone signal are output via separate circuits so that knobs and switches related to the tone and volume have no effect whatsoever on the sound that is recorded. Also, since the recording function is selected by the REC OUT SELECTOR, the free program source can be played through the speakers (or headphones) even during recording.

MONITORING THE RECORDING

A recording in progress can be monitored if a tape deck with three individual heads for recording and playback is used. A tape deck in which a common head is used for both recording and playback cannot be used to monitor recording. When a recording is being made using DAT/TAPE-1, selecting DAT/TAPE-1 with the INPUT SELECTOR will engage the RECORDING MONITOR and permit a check of the recording condition.

CAUTION

Protective Circuit

This set is equipped with a high speed protective circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit. This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

NOTE

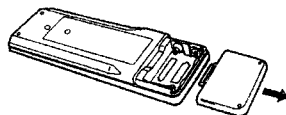
- This amplifier has a full memory back-up system. When the power is turned on, SPEAKERS (), INPUT SELECTOR () are set to the last mode set before the power was turned off.

REMOTE CONTROL OPERATION

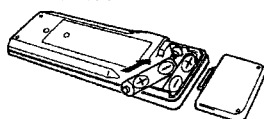
The accessory Remote Control Unit is used to control the amplifier from a convenient distance.

(1) Inserting the Dry Cell Batteries

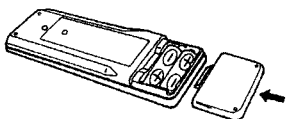
1. Remove the battery cover on the Remote Control Unit.



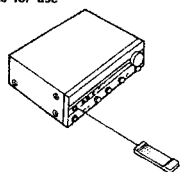
2. Insert two dry cell batteries as shown in the diagram on the battery supply unit.



3. Replace the battery cover.



(2) Directions for use



Notes on Battery Usage

- RC-156 uses the size R6P (AA) dry cell batteries.
- The batteries will need to be replaced approximately once a year. This will depend upon how often the Remote Control Unit is used.
- If, in less than a year from the time new batteries were inserted, the Remote Control Unit fails to operate the Amplifier from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the polarity diagram inside the battery compartment.
- Batteries are prone to damage and leakage. Therefore:
 - Do not mix new batteries with used ones.
 - Do not mix different types of batteries.
 - Do not jumper opposite poles of the batteries, expose them to heat, break them open, nor expose them to open fire.
- If the batteries have leaked, remove any traces of battery fluid from the battery compartment wiping thoroughly with a dry cloth. Then insert new batteries.

- Operate the Remote Control Unit while pointing it towards the Remote Control Sensor on the Amplifier as shown in the diagram on the left.
- The Remote Control Unit can be used at distances up to about 8 meters in a straight line from the amplifier. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the Remote Control Unit is not directed straight at the amplifier.

Note on operation

- Do not press the operating buttons on the Amplifier and the Remote Control Unit at the same time. This will cause misoperation.
- Operation of the Remote Control Unit will become less effective or erratic if the infrared Remote Control Sensor on the Amplifier is exposed to strong light or if there are obstructions between the Remote Control Unit and the sensor.
- In case you operate a VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

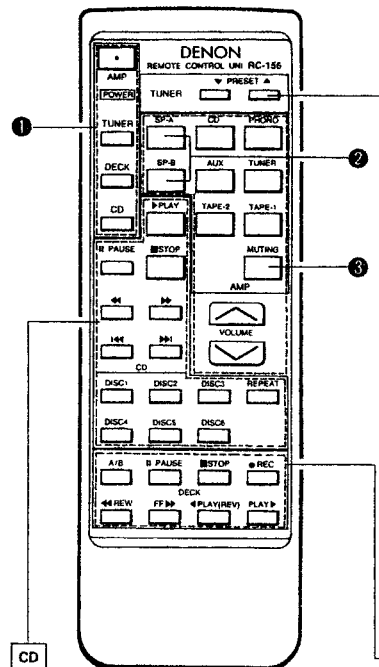
Besides being able to operate the PMA-880R amplifier with this Remote Control Unit, you can also operate a DENON cassette deck and CD player from this handy full-system Remote Control Unit.

Remote control section

Full-system Remote Control Unit

The full-system Remote Control Unit operates all major functions of the Amplifier, such as function switching, volume control. But that's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck and tuner when combined with the PMA-880R to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

Remote Control Unit RC-156 supplied with the PMA-880R



1 [POWER] buttons

These buttons can be used to turn on and off the power of the various components, including the amplifier, tuner, cassette tape deck, CD player, etc. However, the power for these components can only be turned on and off if they are in the power standby mode and the power cord is plugged in.

This button will not function if there is a power failure, if the power cord is not plugged in, or when using an audio timer.

For some components, these buttons will not turn the power on and off. Read the manuals for the components before using the buttons.

2 SP-A and SP-B buttons

These control the speaker selector switches on the PMA-880R. The switches turn on, off, then back on each time they are pressed.

3 MUTE button

Pressing this switch will activate the muting condition and no signals will be output to the speakers.

Other buttons

Other buttons are exclusively for the PMA-880R, and function in the same way as the corresponding buttons on the set.

TUNER

PRESET X buttons

Press this button to move up or down among the preset station numbers.

DECK

▶ PLAY	PLAY button
■ STOP	STOP button
◀◀	Reverse Track Search button
▶▶	Forward Track Search button
◀◀	Manual Search Reverse button
▶▶	Manual Search Forward button
⏸ PAUSE	PAUSE button

▶ PLAY	PLAY button
◀◀ PLAY (REV)	PLAY (REV) button
■ STOP	STOP button
◀◀ REW	REWIND button
FF ▶▶	FF button
● REC	Refer to the operating instructions of your DENON tape deck.
⏸ PAUSE	A/B DECK SELECT button
A/B W-DECK	

- The RC-156 Remote Control Unit can control all CD players (excluding the DCD-1800R) and cassette decks manufactured by DENON.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are AMP, FUNCTION, CD DECK and TUNER etc.

For details on operating other components, refer to the operating instructions for the CD player and/or cassette deck.

CAUTION:

- If the power is turned off with the Remote Control Unit, the set is switched to the power stand-by state. If you are absent for a long period of time, unplug the power cord.
- On the MUTE/STANDBY LED ② lights when in the power stand-by mode.
- You may experience erratic operation of the Remote Control Unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the Remote Control Sensor on the Amplifier. However, this is not a malfunction, and if this should happen, simply protect the sensor against such light.

Technical Data (typical values)	Technische Daten (typische werte)	Caractéristiques techniques (valeurs caractéristiques)	
• POWER AMPLIFIER SECTION: Rated Output Power: *1 Both channel driven (8 ohm Load) 20 Hz to 20 kHz, T.H.D. 0.02% (4 ohm Load) DIN, 1 kHz, T.H.D. 0.7% *2 Continuous 75W per channel min into 8 ohms from 20 Hz to 20 kHz with no more than 0.02% total harmonic distortion Total Harmonic Distortion: (-3 dB at rated output, 8 ohms) • PRE AMPLIFIER SECTION Rated Output: (Recut Terminal) Input Sensitivity/ Input Impedance: The value in parentheses () refers to the input impedance when SOURCE DIRECT is ON. PHONO: CD, TUNER, AUX TAPE-1, TAPE-2: RIAA Deviation: PHONO: Within ± 0.3 dB Maximum Input: • OVERALL CHARACTERISTICS SN Ratio (IHF A Network): (input terminals short-circuited) SOURCE-DIRECT: ON Tone Control Adjustable Range: BASS: TREBLE Loudness: Subsonic Filter: OTHERS Power Supply AC Outlets Switched x2: Unswitched x1: Power Consumption Dimensions (W) x (H) x (D) Net Weight REMOTE CONTROL UNIT (RC-156) Remote control system: Infrared pulse system Power supply: 3V DC, Two size R6P ("AA") dry cell batteries External dimensions: Weight:	• LEISTUNGSENDS VERSTÄRKER Nenn-Ausgangsleistung: *1 Beide Kanäle betriebsbereit (an 8 Ohm) 20 Hz bis 20 kHz, T.H.D. 0.02% (an 4 Ohm) DIN, 1 kHz, T.H.D. 0.7% *2 Fortlaufend 75W pro Kanal min. zu 8 Ohm von 20 Hz bis 20 kHz mit einem Gesamtklirfaktor von nicht mehr als 0.02% Gesamtklirfaktor: (-3 dB bei Nennausgang, 8 Ohm) • VORVERSTÄRKER Nenn-Ausgangsleistung: (Aufnahme-Ausgangsbuchse) Eingangsempfindlichkeit/ Eingangsimpedanz: Der in Klammern () angegebene Wert bezieht sich auf die Eingangsimpedanz, wenn der Quellen-Direktschalter (SOURCE DIRECT) eingeschaltet (ON) ist. PHONO: CD, TUNER, AUX TAPE-1, TAPE-2: Abweichung von der RIAA-Kennlinie: PHONO: Innerhalb ± 0.3 dB Maximaler Eingang: • GESAMTEIGENSCHAFTEN Signal/Rauschabstand (IHF-A-Weiche): (Eingänge kurzgeschlossen) SOURCE DIRECT: ON Klangregelbereich: TIEFEN (BASS) HOHEN (TREBLE) Gehörliche Lautstärke: Unterschall-Schaltung: • SONSTIGES Netzspannung und -frequenz Wechselstrom-Ausgänge Geschaltet x2: Ungeschaltet x1: Leistungsaufnahme Abmessungen (B) x (H) x (T) Nettogewicht FERNBEDIENUNGSGERÄT (RC-156) Fernbedienungs-System: Infrarot-Impulse Stromversorgung: 3V Gleichstrom, zwei Trockenzellen- Batterien vom Format R6 (AA) Äußere Abmessungen: Gewicht:	• PARTIE AMPLIFICATEUR DEPUISANCE Puissance nominale: *1 Entraînement deux canaux (charge 8 ohms) 20 Hz à 20 kHz, D.H.T. 0.02% (charge 4 ohms) DIN, 1 kHz, D.H.T. 0.7% *2 75W en continu par canal sur min. 8 ohms de 20 Hz à 20 kHz avec une distorsion harmonique totale de 0.02% ou moins Distorsion harmonique totale: (-3 dB à la sortie nominale, 8 ohms) • PRE AMPLI Puissance nominale: (Borne de sortie d'enregistrement) Sensibilité d'entrée/ impédance d'entrée: La valeur entre parenthèses () se rapporte à l'impédance d'entrée lorsque le touche de source directe (SOURCE DIRECT) est sur la position sous tension (ON). PHONO: CD, TUNER, AUX TAPE-1, TAPE-2: Variation RIAA: PHONO: Int. ± 0.3 dB Entrée max.: • CARACTERISTIQUES GÉNÉRALES Rapport signal/bruit (réseau IHF A): (Bornes d'entrée court-circuitées) SOURCE DIRECT: ON Gamme de réglage de tonalité: GRAVES AIGUES Compensation physiologique: Filtre subsonique: • AUTRES Alimentation Prises secteur (AC) Commutées x2: Non commutées x1: Consommation Dimensions (L) x (H) x (D) Poids UNITÉ DE TÉLÉCOMMANDE (RC-156) Système de télécommande: Système à impulsion infrarouge Alimentation: 3V CC, deux piles sèches de format R6P ("AA") Dimensions extérieures: Poids:	75W + 75W 120W + 120W 75W 0.007% 150 mV MM 2.5 mV/47 kohm MC 200 μ V/100 ohm 150 mV/47 kohm (150 mV/10 kohm) 20 Hz ~ 20 kHz PHONO MM 160 mV/1 kHz MC 12mV/1 kHz PHONO: MM: 94 dB (at 5 mV input) MC: 76 dB (at 0.5 mV input) CD, TUNER, AUX TAPE-1, TAPE-2: 110 dB 100 Hz ± 8 dB 10 kHz ± 8 dB 100 Hz ± 7 dB 10 kHz ± 6 dB 16 Hz, 12 dB/oct. AC230V/60 Hz (For Europe) AC240V/60 Hz (For U.K. and Australia) AC120V/60 Hz (For U.S.A. and Canada) AC110/120/220/240V, 50/60 Hz (For Multiple) 100W (Total) (For Europe model, except the U.K. model) 120W (Total) (For U.S.A., Canada and Multi-Voltage models) 100W (For Europe model, except the U.K. model) 240W (For U.S.A., Canada and Multi-Voltage models) 230W (IEC) 4.2A (U.S.A., and Canada models) 180W (Multi-Voltage model) 434(W) x 160(H) x 353(D)mm (17-3/32" x 6-19/64" x 13-57/64") 8.2 kg (18 lbs 2 oz) 60mm (2-3/16") W x 176mm (6-9/16") H x 18mm (45/64") D 120 g (about 4.2 oz) (including batteries)

Note: *1 For Europe
 *2 For U.S.A., Canada and Multi-Voltage

Hinweis: *1 Für Europa
 *2 Für U.S.A., Kanada und Mehrfach-Spannung

Note: *1 Pour l'Europe
 *2 Pour les États-Unis, le Canada et les pays multi-tensions

- Specifications and contents are subject to change without notice for purposes of improvement.
- Änderungen des Inhalts und der technischen Daten zum Zwecke der Verbesserung vorbehalten.
- Specifications et contenu sont sujets à modification sans préavis.

ENGLISH

Please check to make sure the following items are included with the main unit in the carton:

- (1) Operating Instructions 1
- (2) Remote Control Unit (RC-156) 1
- (3) Batteries R6P (AA) 2

DEUTSCH

Bitte überprüfen Sie, ob die folgenden Teile vollständig in der Verpackung enthalten sind:

- (1) Bedienungsanleitung 1
- (2) Fernbedienung (RC-156) 1
- (3) Batterien vom Typ R6P (AA) 2

FRANÇAIS

Veuillez contrôler que les articles suivants sont bien joints à l'appareil principal dans le carton:

- (1) Mode d'emploi 1
- (2) Unité de télécommande (RC-156) 1
- (3) Piles R6P (AA) 2

ITALIANO

Controllare che le parti seguenti si trovino imballate con l'apparecchio nella scatola di spedizione.

- (1) Libretto delle istruzioni 1
- (2) Telecomando (RC-156) 1
- (3) Batterie R6P (AA) 2

ESPAÑOL

Por favor verifique asegurándose de que los siguientes artículos son empacados en la caja pero separados de la unidad principal.

- (1) Manual de instrucciones 1
- (2) Unidad de control remoto (RC-156) 1
- (3) Piles R6P (AA) 2

NEDERLANDS

Kontroleer of de volgende accessoires bij het hoofdtoestel in de doos zijn verpakt:

- (1) Gebruiksaanwijzing 1
- (2) Afstandsbediening (RC-156) 1
- (3) Batterijen R6P (AA) 2

SVENSKA

Kontrollera att följande, förutom huvudapparaten, finns med i kartongen.

- (1) Bruksanvisning 1
- (2) Fjärrkontroll (RC-156) 1
- (3) Batterier R6P (AA) 2

PORTUGUÊS

Certifique-se de que as seguintes peças estão incluídas na embalagem fora da unidade principal:

- (1) Instruções de operação 1
- (2) Unidade de controle remoto (RC-156) 1
- (3) Baterias R6P (AA) 2